



FY17 Vermont Better Roads Grant Application

Please complete this page ONCE and return with your Grant Category Application(s)

Town/Organization: Morgan Contact Person(s): Shawn Austin

Address: P.O. Box 62, 8874 RT 111 Morgan VT 05853
Street Address Town Zip

Email: Shawn.austin@comcast.net Phone: (802) 895-4191

DUNS #: 034854489 Fiscal Year End Month (MM): 6-30-2017

Accounting System: ☐ Automated ☒ Manual ☐ Combination

Please use the suggested documentation checklist below to ensure that all of the relevant items regarding your application have been included.

- ☐ Grant application cover sheet (Only submit one)
- ☐ Grant application form (One per category/project)
- ☐ Itemized Cost estimate for labor, equipment, and materials (see enclosed Cost Estimate Worksheet). If applicable, please break down funding by source (i.e. different grant sources)
- ☐ Project Location Map (please show location of affected water)
- ☐ Sketch of proposed erosion control measures or other management practices, including distances in feet
Also show approximate location of town/other right-of-way and/or property lines
- ☐ Photo(s) of the project area
- ☐ Letters of Support (RPC, VTTrans District Technical Staff, ANR Rivers and Streams Engineers, etc.)
- ☐ If Category C River/Road Conflict or Category D River/Stream Structure or Culvert, you must attach ANR/ACOE consultation



Vermont Better Roads Grant Program Application

Please complete one application per category and/or project you are applying for. You may make copies of the application for multiple applications per category and/or multiple categories.

Please check the Category you are applying for:

- ☐ B. Correction of a Road Related Erosion Problem and/or Stormwater Mitigation Retrofit for both gravel and paved roads
- ☐ C. Correction of a Stream Bank or Slope Related Problem
- ☒ D. Structure/culvert upgrades

Town/Organization: Morgan

Project Name: Ox Bow TH #27

Road Name: Ox Bow TH #: 27 Structure # (if applicable): CULVERTS

Road Type: Paved or Unpaved (circle one) Curbed or Uncurbed (circle one)
Class 1 Class 2 Class 3 Class 4 (circle one)

Watershed: SEYMOUR

Please provide a thorough description of the problem (ex. Roadway has steep slope with no ditch which is causing roadway erosion):

UNDER SIZED, DETERIORATED CULVERTS ARE SCOURING BELOW WASHING SILT INTO LAKE SEYMOUR. PITCHES NEED RESHARPING, AND STONE LINED. STONE INLETS + SPLASH PAD INSTALLED ALL CULVERTS

Description of Project and how you plan to complete the work (ex. Stone line 500' of ditch by reshaping ditch and stone lining, working from the top of the project down to the bottom):

REPLACE 5 UNDER SIZED, DETERIORATED CULVERTS WITH 18" CULVERTS. INSTALL STONE INLETS AND SPLASH PAD. ~~HEAD~~ STONE HEADERS BOTH ENDS. RESHAPE AND STONE LINE 600' OF SHALLOW DITCHES.

Expected Effects (+ & -) on water quality (ex. Erosion will be eliminated by placing the stone ditch):

EROSION WILL BE ELIMINATED BY REPLACING CULVERTS, RESHAPING AND STONE LINING DITCHES



Describe how the grant funds will be spent and/or attach a project budget: _____

How do you plan to meet the required 20% match on this grant?:

Town Rd Budget

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D):

\$25,443.00

Estimated Total Project Cost (including 20% local match):

\$5,088.60

Estimated Completion Date: 10/31/2016

REQUIRED ATTACHMENTS:

- ☒ Itemized Cost Estimate (labor, equipment, materials)
(For assistance, call Better Backroads at 802-828-4585)
- ☒ Project Location Map
(Please show location of affected water; 1:12,000 USGS map, if possible)
- ☒ Sketch of proposed erosion control measures, including:
 - ☒ Distances (ft.)
 - ☒ Estimate of waste & borrow quantities
 - ☒ Approx. location of town/other right-of-way and/or property lines
- ☒ Photo(s) of the project area.
- ☐ Agreement for Entry and/or Deed of Easement (if project is outside Town ROW).
- ☐ If project involves stream or river/road conflict, include documentation of consultation with a River Management Engineer.
- ☐ Other appropriate supporting documents.

By signing this application I certify that all the information provided is accurate to the best of my knowledge. We will comply with all the requirements of the grant including making our books available for audit if required.

SIGNATURE OF APPLICANT: (Must be Town Administrator/Manager or Select Board Chair)

Name:

Shawn L Austin

Title:

3/30/16



Distance from end of project to nearest water (stream, lake, or stormwater system that outlets directly to water). Please circle one: 0-50' 50-250' 250'+

Progress to Date:

NDNE

Is there an emergency reason this project must be completed quickly? If yes, please explain:

ALL CULVERTS HAVE DETEIORATED BOTTOMS. WATER FLOW IS SCOURING BELOW CULVERTS, WASHING SILT INTO LAKE.

Has this project been identified through a municipal road inventory, capital budget plan, tactical basin plan, culvert inventory, or other management plan? If yes, please list which.

Yes: Ox Bow TH #27 Morgan VT.

No

Please list any professionals you may have contacted for assistance with this project (ANR River Management Engineer, Army Corps of Engineers, VTTrans District Technical staff, Basin Planner etc.):

ALAN MAY, SHANE MORIN

Is the project located in the town "Right of Way?" Yes, No, Both (if "Both" please explain further).

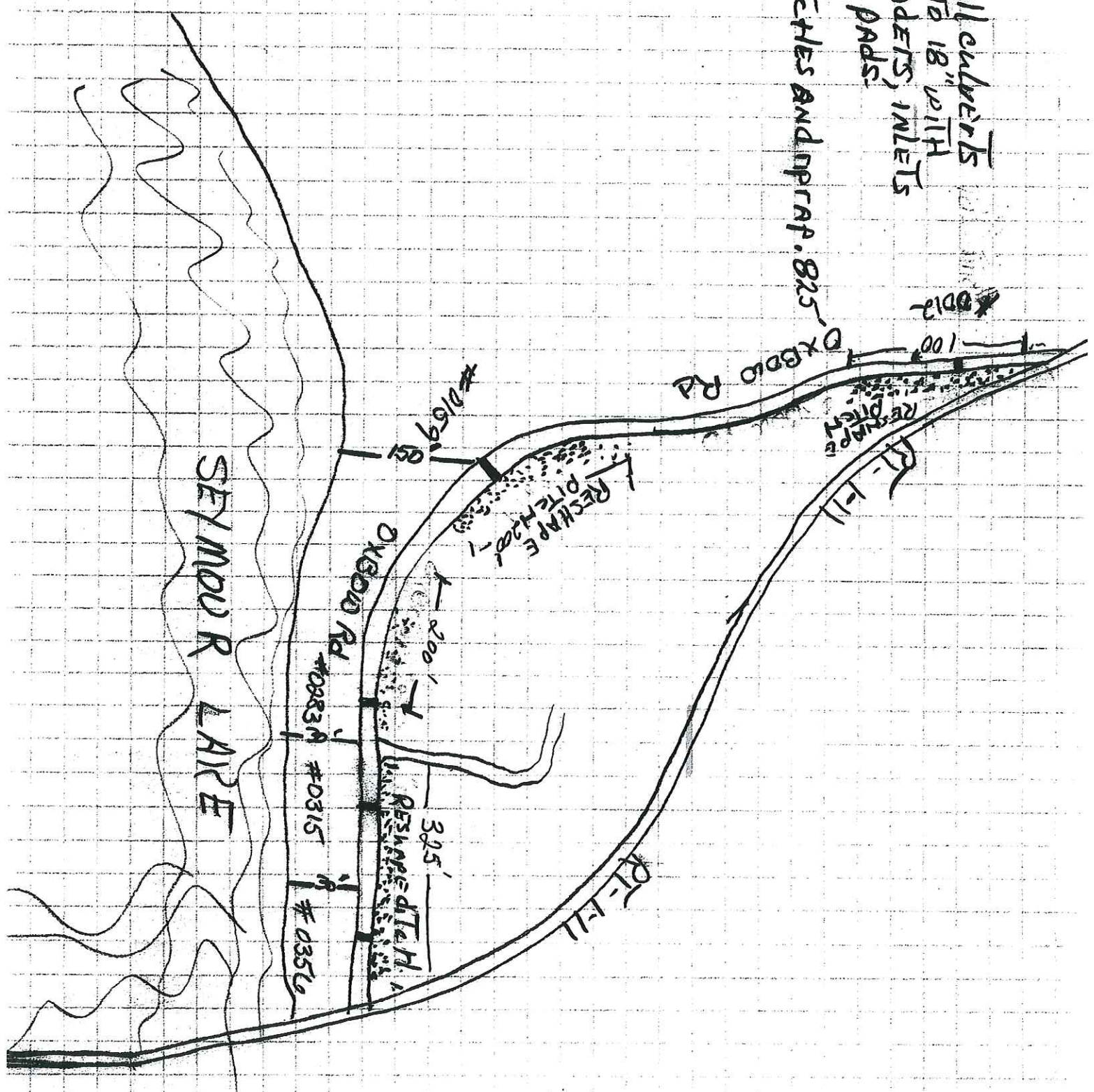
YES

Will the town road crew complete this work? Yes, No, Some (if "some" please explain further).

YES

REPLACE ALL CULVERTS
IDENTIFIED TO 18" WITH
SLOTTED HEADERS, INLETS
AND SPLASH PADS.

RESHAPE DITCHES AND IMPROV. 825



Structures

6 structures

Culvert **MORGAN**

All entries per page ▾

Enter search criteria

Road	Local ID
OXBOW RD	629020000012
OXBOW RD	629020000159
OXBOW RD	629020000203
OXBOW RD	629020000283
OXBOW RD	629020000315
OXBOW RD	629020000356



COST ESTIMATE WORKSHEET

APPLICANT NAME: Town of Morgan, VT

PROJECT NAME: Oxbow, TH #27

LABOR		RATE	# HOURS	TOTAL
Replace 5 deteriorated 12" culverts, Install stone inlets stone headers with splash pads. Clean 600' of				
Ditches. Rip rap				
2 Men		\$38.00	80	\$3,040.00
TOTAL:				\$3,040.00
EQUIPMENT		RATE	# HOURS	TOTAL
Excavator		\$135.00	65	\$8,775.00
Truck		\$85.00	72	\$6,120.00
Grader		\$40.00	15	\$600.00
TOTAL:				\$15,495.00
MATERIALS		RATE	# HOURS	TOTAL
130'x18' Culvert		\$2,600.00		\$2,600.00
70 YD 8" Minus Rip rap		\$15.00 / YD		\$1,050.00
30 YD Erosion Stone		\$15.00 / YD		\$450.00
30 YD Header Stone		\$15.00 / YD		\$450.00
196 YD Crush Gravel		\$10.50 / YD		\$2,058.00
TOTAL:				\$6,608.00
MISCELLANEOUS		RATE	# HOURS	TOTAL
Seed & Mulch		\$300.00		\$300.00
TOTAL:				\$300.00
TOTAL				TOTAL
GRAND TOTAL				\$25,443.00
MATCH ~ 20 %				\$5,088.60

COST ESTIMATE WORKSHEET

APPLICANT NAME: Town of Morgan, VT PROJECT NAME: Oxbow, TH #27

LABOR	RATE	# HOURS	TOTAL
Replace 5 deteriorated 12" culverts, Install stone inlets stone headers with splash pads. Clean 600' of			
Ditches. Rip rap			
2 Men	\$38.00	80	\$3,040.00
TOTAL:			\$3,040.00
EQUIPMENT	RATE	# HOURS	TOTAL
Excavator	\$135.00	65	\$8,775.00
Truck	\$85.00	65	\$5,525.00
PickUp	\$25.00	15	\$375.00
TOTAL:			\$14,675.00
MATERIALS	RATE	# HOURS	TOTAL
130'x18' Culvert	\$2,600.00		\$2,600.00
70 YD 8" Minus Rip rap	\$15.00 / YD		\$1,050.00
30 YD Erosion Stone	\$15.00 / YD		\$450.00
30 YD Header Stone	\$15.00 / YD		\$450.00
Seed & Mulch	\$300.00		\$300.00
			\$4,850.00
TOTAL:			
MISCELLANEOUS	RATE	# HOURS	TOTAL
TOTAL:			
TOTAL			TOTAL
GRAND TOTAL			\$22,565.00
MATCH ~ 20 %			\$4,513.00



